

**To:** Krala, Susan E CIV[Susan.E.Krala@uscg.mil]; Richman, Lance[Richman.Lance@epa.gov]  
**Cc:** Kim and Bill Reich[kreich1803@charter.net]  
**From:** Reich  
**Sent:** Mon 8/10/2015 5:05:24 PM  
**Subject:** Re: Micromix Aqua - Oil Remediation Product  
William J. Reich - Mining Services Resume 8-10-15 JDI BioLogic LLP.pdf

Hi Sue,

Okay on the product info. Thanks for copying Lance. I have worked in the hard rock mining industry since 1987; experience includes actual mine operations, along with environmental and engineering consulting. I imagine Lance is on top of things, but if I can assist let me know. Several good friends are well known consulting engineers (mining, civil, geotechs), environmental/natural resource scientists, and metallurgists etc. Several are in Colorado, including the west slope. We've been on the forefront of some issues more than a few times. In fact, I have a call into our chemist right now regarding mine spill remediation. Lance, let me know if I can provide assistance.

Best Regards,

Bill

William J. Reich  
Vice President and Chief Scientist  
JDI Bio Logic LLP  
Reno, Nevada 89521

Cell Phone: 775-530-7454  
Work Phone: 435-565-1575

email: bill.jdibio@charter.net

website: www.jdibiologic.com

---

From: "Krala, Susan E CIV" <Susan.E.Krala@uscg.mil>  
Sent: Monday, August 10, 2015 9:17 AM  
To: "Reich" <reich1803@charter.net>; "Richman, Lance"  
<Richman.Lance@epa.gov>  
Subject: RE: Micromix Aqua - Oil Remediation Product

> Bill,  
>  
> Yes, I did receive all the attachments you sent last week. Good data.  
>  
> I'm cc-ing Lance Richman at EPA since EPA is leading the incident you  
> spoke of. Also, he is hosting the November meeting in Boulder City. He'll  
> get back to you about the agenda.  
>

> Sincerely,  
>  
> -- Susan  
>  
> -----Original Message-----  
> From: Reich [mailto:kreich1803@charter.net]  
> Sent: Monday, August 10, 2015 9:10 AM  
> To: Reich; Krala, Susan E CIV  
> Subject: Re: Micromix Aqua - Oil Remediation Product Information  
>  
> Hi Sue,  
>  
> Just checking to make sure you received the information I sent last week.  
> It was an interesting weekend. Had several phone calls regarding the  
> Golden King Mine spill over in Colorado, New Mexico etc. Discussed  
> potential treatment options. We are starting a test program with one of  
> the large mines here in Nevada to evaluate how one of our products will  
> neutralize cyanide process solutions from heap leach facilities. These  
> solutions are loaded with heavy metals etc. This same product is being  
> used to successfully treat oil field brines in Texas. The treated  
> solution (water) meets the Texas water quality standards for use as  
> "agriculture irrigation water". Oil field brines are generally much  
> nastier than heap leach/cyanide process solutions. We'll wait to see the  
> test program results, but the metallurgist and chemists are anticipating  
> positive results from the upcoming test program.  
>  
> Regarding the Golden King Mine spill, that is going to be a "treat at the  
> source", and look at remediating the river beds and banks, once the spill  
> has been contained and the plume has passed on. The plume will rapidly  
> dilute/dissipate once it reaches Lake Powell, but there still will be  
> impacts where the river joins the lake. Regarding the Animas and San Juan  
> Rivers, will have to see what testing shows. There will be impacts, short  
> and long-term to aquatic life due to the acidic nature of the mine water,  
> the levels of heavy metals, and also due to depleted oxygen from the  
> sediments. Never good when a release like this occurs.  
>  
> Let's keep in touch. I look forward Hi Sue,  
>  
> Best Regards,  
>  
> Bill  
>  
> William J. Reich  
> Vice President and Chief Scientist  
> JDI Bio Logic LLP  
> Reno, Nevada 89521  
>  
> Cell Phone: 775-530-7454  
> Work Phone: 435-565-1575  
>  
> email: bill.jdibio@charter.net  
> <wlmailhtml:{0EA63854-3AE3-4A63-B7A7-86645CCA94AF}mid://00000169!x-  
usc:wlmailhtml:%7b0EA63854-3AE3-4A63-B7A7-86645CCA94AF%7dmid://00000013!x-  
usc:mailto:bill.jdibio@charter.net>  
>  
> website: www.jdibilogic.com

> <wlmailhtml:{0EA63854-3AE3-4A63-B7A7-86645CCA94AF}mid://00000169!x-  
usc:wlmailhtml:%7b0EA63854-3AE3-4A63-B7A7-86645CCA94AF%7dmid://00000013!x-  
usc:http://www.jdibiologic.com/>  
>  
>  
>  
>  
>  
>  
>  
> From: Reich <mailto:kreich1803@charter.net>  
> Sent: Wednesday, August 05, 2015 11:29 AM  
> To: Susan E CIV Krala <mailto:Susan.E.Krala@uscg.mil>  
> Subject: Micromix Aqua - Oil Remediation Product Information  
>  
>  
> Hi Susan,  
>  
> Attached is basic information for our oil remediation product, Micromix  
> Aqua, along with a general Micromix product overview sheet. We are in the  
> process of updating the JDI product information sheets, however the  
> attached versions are valid.  
>  
> Micromix Aqua is an interesting product; it is used extensively in Europe,  
> the Middle East and South Africa for oil remediation programs. We are  
> looking to expand its use in the US.  
>  
> As I mentioned during our call this morning, our associate Israeli  
> company, Terra Green, is currently coordinating remediation activities for  
> the Eilat Ashkelon crude oil pipeline spill in southern Israel which  
> occurred on December 4, 2014. These remediation activities are located  
> within the Evrona Nature Reserve, which is located approximately 12 miles  
> north of the Gulf of Aqaba. The Reserve is an environmentally sensitive  
> area. We used two products, Micromix Aqua, and TM-1200 (which is a blend  
> of a hyper wetting agent and Micromix Aqua - the hyper wetting agent  
> allowed the Micromix Aqua to penetrate through the spilled crude and  
> desert soils), to complete a test remediation program within the Reserve.  
> The test remediation program results were exceptional, and the Israeli  
> Ministry of Environmental Protection requested a proposal from Terra Green  
> to complete the entire remediation program for the Reserve.  
>  
> I will forward the TM-1200 product information to you; as I currently do  
> not have that saved on my computer. Check out the Evrona Nature Reserve  
> oil spill on the internet; it is very interesting. I will see about  
> providing test program remediation to you for review. An interesting  
> item. Here in the US we deal with threatened, endangered and sensitive  
> vegetation and wildlife species. In the Evrona Nature Reserve, we deal  
> with "biblical vegetation and wildlife species".  
>  
> Standby for additional information as I pull it together. I look forward  
> to meeting you soon.  
>  
> Best Regards,  
>  
> Bill  
>

> William J. Reich  
> Vice President and Chief Scientist  
> JDI Bio Logic LLP  
> Reno, Nevada 89521  
>  
> Cell Phone: 775-530-7454  
> Work Phone: 435-565-1575  
>  
> email: bill.jdibio@charter.net  
> <wlmailhtml:{0EA63854-3AE3-4A63-B7A7-86645CCA94AF}mid://00000169!x-  
usc:wlmailhtml:%7b0EA63854-3AE3-4A63-B7A7-86645CCA94AF%7dmid://00000013!x-  
usc:mailto:bill.jdibio@charter.net>  
>  
>  
>  
>  
>  
>  
>  
>  
>